

4 TV TRANSISTOR

USE	TYPE	MAXIMUM RATINGS										ELECTRICAL CHARACTERISTICS (T _a = 25°C)										PACKAGE
		V _{CEO} (V)	I _C (mA)	P _C (mW)	T _J (°C)	I _{CBO} (μA)	hFE			V _{CE} (sat) MAX			f _T		T _{YP} (MIN)		T _{YP} (MAX) (pF)	Cob, * Cre				
							V _{CB} (V)	I _E (mA)	I _{CEO} (μA)	V _{CE} (V)	I _C (mA)	I _B (mA)	f _T (MHz)	V _{CE} (V)	I _C (mA)	V _{CB} (V)		f (MHz)				
PIF	KTC 382/KTN 5018	40	50	250	125	0.1	40	0	30up	10	4	—	—	(400)	10	4	*	10	1	TO-92 (C)		
	KTC 383/KTN 5019	45	50	300	125	0.1	50	0	20~100	12.5	12.5	0.2	15	(300)	12.5	12.5	(2)	10	1	TO-92 (C)		
	KTC 388A/KTN 5020	25	50	300	125	0.1	50	0	20~200	12.5	12.5	0.2	15	(300)	12.5	12.5	(2)	10	1	TO-92 (C)		
	KTC 2229/KTN 5211	150	50	800	150	0.1	200	0	70~240	5	10	0.5	10	1	120	30	10	3.5	10	1	TO-92L	
	KTC 2482	300	100	900	150	1	240	0	20up	10	4	1	10	1	(50)	10	20	3	20	1	TO-92L	
VIDEO CHROMA OUTPUT	KTC 1569	300	150	12.5W	150	1.0	100	0	40~170	10	50	1.0	100	20	(40) 100	10	30	(6.5)	50	1	TO-220	
	KTC 2456	300	100	1.2W	150	1	240	0	40~170	10	50	1	100	20	(50)	10	30	(5)	50	1	TO-126	
	KTC 2068	300	50	1.5W	150	1	240	0	20up	10	0.5	1	10	1	95	20	20	(4)	20	1	TO-202	
	KTA 562TM/KTP 5513	-30	-500	500	150	-0.1	-35	0	70~240	-1	-100	-0.25	-100	-10	200	-6	-20	13	-6	1	TO-92 (C)	
	KTC 1959/KTN 5013	30	500	500	150	0.1	35	0	70~240	1	100	0.25	100	10	300	6	20	7	6	1	TO-92 (C)	
SOUND OUTPUT	KTA 950/KTP 5512	-30	-800	600	150	-0.1	-35	0	100~320	-1	-100	-0.7	-500	20	120	-5	-10	19	-10	1	TO-92 (C)	
	KTC 2120/KTN 5012	30	800	600	150	0.1	35	0	100~320	1	100	0.5	500	20	120	5	10	13	10	1	TO-92 (C)	
	KTA 966A/KTP 5713A	-30	-2A	1000	150	-0.1	-30	0	100~320	-2	-500	-2	-1.5A	-30	120	-2	-500	48	-10	1	TO-92L	
	KTC 2236A/KTN 5213A	30	2A	1000	150	0.1	30	0	100~320	2	500	2	1.5A	30	120	2	500	30	10	1	TO-92L	
	KTA 473/KTP 6710	-30	-3A	10W	150	-1	-20	0	70~240	-2	-0.5A	-0.8	-2A	-0.2A	100	-2	-0.5A	40	-10	1	TO-220	
	KTC 1173/KTN 6210	30	3A	10W	150	1	20	0	70~240	2	0.5A	0.8	2A	0.2A	100	2	0.5A	35	10	1	TO-220	
	KTB 834/KTP 6714	-60	-3A	30W	150	-100	-60	0	60~200	-5	-0.5A	-1	3A	0.3A	9	-5	-0.5A	150	-10	1	TO-220	
	KTD 880/KTN 6214	60	3A	30W	150	100	60	0	60~300	5	0.5A	1	3A	0.3A	3	5	0.5A	70	10	1	TO-220	
	KTC 2231	160	200	12W	150	0.1	200	0	100~320	10	50	1	200	20	(50)	10	50	(10)	10	1	TO-202	
	KTC 2231A	180	200	12W	150	0.1	200	0	100~320	10	50	1	200	20	(50)	10	50	(10)	10	1	TO-202	

* T_C = 25°C

TV TRANSISTOR

USE	TYPE	MAXIMUM RATINGS				ELECTRICAL CHARACTERISTICS (T _a = 25°C)										PACKAGE
		V _{CEO}	I _C	P _C	T _J	I _{CBO}	MAX		h _{FE}	V _{CE} (sat) MAX		f _T	Typ (MIN)		C _{ob} or *C _{ie}	Type
		(V)	(A)	(W)	(°C)	(μA)	V _{CB}	I _E		V _{CE}	I _C	(MHz)	V _{CE}	I _C	(PF)	(MHz)
SOUND OUTPUT	KTC 2230	160	0.1	0.8	150	0.1	200	0	120~400	10	10	5	10	10	(7)	1
	KTC 2230A	180	0.1	0.8	150	0.1	200	0	120~400	10	10	5	10	10	(7)	1
	KTC 2483	160	1.5	2	150	1	150	0	100~320	5	200	50	5	200	(20)	1
VERTICAL OUTPUT	KTA 950/KTP 5512	-30	-0.8	0.6	150	-0.1	-35	0	100~320	-1	-100	-0.7	-5	-10	19	1
	KTC 2120/KTN 5012	30	0.8	0.6	150	0.1	35	0	100~320	1	100	0.5	5	10	13	1
	KTA 966A/KTP 5713A	-30	-2	1	150	-0.1	-30	0	100~320	-2	-500	-2	-2	-500	48	1
	KTC 2236A/KTP 5213A	30	2	1	150	0.1	30	0	100~320	2	500	2	2	500	30	1
	KTA 473/KTP 6710	-30	-3	*10	150	-1	-20	0	70~240	-2	500	-0.8	-2	-500	40	1
	KTC 1173/KTN 6210	30	3	*10	150	1	20	0	70~240	2	500	0.8	2	500	35	1
	KTB 834/KTP 6714	-60	-3	*30	150	-100	-60	0	60~200	-5	-500	-1	-5	-500	150	1
	KTD 880/KTN 6214	60	3	*30	150	100	60	0	60~300	5	500	1	5	500	70	1
HORIZONTAL OUTPUT	KTA 1021	-150	-1.5	*1.2	150	-1	-150	0	60~320	-5	-200	-1.5	-5	-200	(3.5)	1
	KTC 2481	150	1.5	1.2	150	1	150	0	60~320	5	200	1.5	5	200	13	1
	KTA 940	-150	-1.5	*25	150	-10	-120	0	40~140	-10	-500	-1.5	-10	-500	55	1
	KTC 2073	150	1.5	*25	150	10	120	0	40~140	10	500	1.5	10	500	35	1
	KTC 2233/KTN 6211	60	4	*40	150	10	170	0	30~150	5	1A	1	5	500	-	-
	KTD 1069	150	7	*40	150	-	-	-	10 up	1.5	5A	1.5	10	200	-	-
	KTC 1617	100	7	*50	150	1000	250	0	30~150	5	1A	1.2	5	500	-	-
	KTD 868	600	2.5	*50	150	10	500	0	8~12	5	500	8	10	100	95	1

*T_C = 25°C

MEMO

TV TRANSISTOR

USE	TYPE	MAXIMUM RATINGS					ELECTRICAL CHARACTERISTICS (T _a = 25°C)										PACKAGE
		V _{CEO}	I _C	P _C	T _J	I _{CBO}	h _{FE}		V _{CE (sat)}		I _F TYP		Cob, • Cre		f	TYP	PACKAGE
		(V)	(mA)	(W)	(°C)	(μA)	V _{CE}	I _E	(V)	(A)	(MHz)	(V)	(pF)	(V)	(MHz)	(PF)	
HORIZONTAL OUTPUT	KTD 869	600	3.5	50	150	10	500	0	8-12	5	0.5	8	3	10	0.1	95	TO-3
	KTD 870	600	5	50	150	10	500	0	8-12	5	1	5	5	10	0.1	165	TO-3
	KTD 871	600	6	50	150	10	500	0	8-12	5	1	5	5	10	0.1	165	TO-3
	KTD 818	600	2.5	50	150	10	500	0	8-20	5	0.5	8	2	10	0.1	95	TO-3
	KTD 819	600	3.5	50	150	10	500	0	8-20	5	0.5	8	3	10	0.1	95	TO-3
	KTD 820	600	5	50	150	10	500	0	8-20	5	1	5	4	10	0.1	165	TO-3
	KTD 821	600	6	50	150	10	500	0	8-20	5	1	5	5	10	0.1	165	TO-3
	KTD 822	600	7	50	150	10	500	0	8-20	5	1	5	6	10	0.1	165	TO-3
	KTD 1052	50	3	30	150	100	50	0	400-1200	5	0.5	1	1	0.02	5.0	70	TO-220
	KTD 880/KTN 6214	60	3	30	150	100	60	0	60-300	5	0.5	1	3	0.3	3	5	TO-220
REGULATOR	KTD 777	55±10	4	100	150	—	—	—	500-2500	5	0.5	2	0.5	2mA	—	—	TO-3
	KTD 776	180	5	100	150	100	200	0	500-200	5	1	1	1	20mA	—	—	TO-3

• Built in Damper Diode

KEC 9000 SERIES

USE	TYPE	MAXIMUM RATINGS				ELECTRICAL CHARACTERISTICS (T _a = 25°C)															PACKAGE	
		V _{CEO} (V)	I _C (mA)	P _C (mW)	T _J (°C)	h _{FE}	V _{CE (sat)}		I _F		(MIN), TYP		Cob TYP, (MAX)		NF TYP, (MAX)							
							V _{CE} (V)	I _C (mA)	I _C (mA)	I _B (mA)	V _{CE} (V)	I _E (V)	V _{CB} (V)	(MHz)	dB	V _{CE} (V)	I _C (mA)	f (kHz)	R _g (KΩ)			
FM/AM IF	KTC 9011	30	50	400	150	39~198	5	1	0.4	10	1	(100)	5	-1	2.0	10	1	—	—	—	TO-92 (C)	
	KTC 9012	-30	-500	625	150	64~246	-1	-50	-0.25	-100	-10	200	-6	20	13	-6	1	—	—	—	TO-92 (C)	
	KTC 9013	30	500	625	150	64~246	1	50	0.25	100	10	300	6	-20	7	6	1	—	—	—	TO-92 (C)	
AUDIO DRIVER/OUTPUT	KTC 9014	50	150	625	150	60~1000	5	1	0.25	100	10	(80)	10	-1	2.0 (3.5)	10	1	1.0 (10)	0.1	1	10	TO-92 (C)
	KTC 9015	-50	-150	625	150	60~600	-5	-1	-0.3	-100	-10	(80)	-10	1	4 (7)	-10	1	1.0 (10)	-0.1	1	10	TO-92 (C)
	KTC 9016	30	20	200	125	40~146	5	-1	—	—	—	(250) 550	6	-1	Cre 0.65	10	1	—	—	—	—	TO-92 (C)
FM, RF MIX, OSC	KTC 9018	30	20	200	125	39~146	5	1	—	—	—	(500) 800	10	-8	Cre 0.65	10	1	—	—	—	—	TO-92 (C)